

# Mapping an Ocean Sanctuary

Teacher Workshop on GIS and Ocean Science  
August 1-4, 2003

Are you interested in learning how to use Geographic Information Systems (GIS) to study ocean science using real data from the Channel Islands National Marine Sanctuary and National Park?



Sponsored by the Channel Islands National Marine Sanctuary (CINMS) and the Center for Image Processing in Education (CIPE).



If so, we invite you to apply for the *Mapping an Ocean Sanctuary* teacher workshop this summer at the UC Natural Reserve System Field Station on Santa Cruz Island. *Mapping an Ocean Sanctuary* is a set of six lessons that teach fundamental marine and environmental science concepts and is a powerful introduction to the techniques and applications of geographic information systems.

During the workshop, you will explore the ecology of the Channel Islands, including the distribution of marine species; commercial and recreational use patterns in the sanctuary; and population dynamics and the impact of no-take zones.

The four-day workshop in August 2003 will include:

- Hands-on instruction with CIPE's mobile laptop laboratory on how to use ArcView GIS to teach ocean science.
- On-shore and off-shore field trips to collect ocean science data with field data collection equipment and GPS units.
- The *Mapping an Ocean Sanctuary materials and ESRI's Mapping Our World* book—a \$130 value!
- Round-trip transportation to Santa Cruz Island from Santa Barbara, CA

aboard the *Shearwater*, CINMS' new research and education vessel.

- Three nights lodging and all meals at the UC Natural Reserve System Field Station on Santa Cruz Island.

We are seeking dedicated educators who wish to engage their students in discovery-based learning of ocean science with GIS.

Cost: \$200. Checks, purchase orders, VISA, Mastercard, and American Express accepted. Workshop limited to 18 participants.



Please mail or FAX  
your application by  
23 May 2003 to:

MOS Workshop 2003  
Center for Image Processing  
in Education  
PO Box 13750  
Tucson, AZ 85732-3750  
FAX: (520) 327-0175



Mapping an Ocean Sanctuary GIS Workshop  
Santa Cruz Island, California  
August 1-4, 2003



## Application

Presented by NOAA's Channel Islands National Marine Sanctuary and the Center for Image Processing in Education.

**Application must be postmarked by May 23rd, 2003**

Final selection of participants will be made by June 17th, 2003

Name: \_\_\_\_\_  
*First Middle Last*

Mailing address \_\_\_\_\_  
for workshop \_\_\_\_\_  
correspondence: \_\_\_\_\_  
*Street City State Zip*

Email address: \_\_\_\_\_

Home phone: (       ) \_\_\_\_\_

FAX number: (       ) \_\_\_\_\_

Work phone: (       ) \_\_\_\_\_

Name of school  
or institution: \_\_\_\_\_

Department (if  
applicable): \_\_\_\_\_

Work address: \_\_\_\_\_  
\_\_\_\_\_ *Street*  
\_\_\_\_\_ *City State Zip*

Grades and  
classes you teach: \_\_\_\_\_

Years of teaching  
experience: \_\_\_\_\_ Current position title: \_\_\_\_\_

Academic degrees earned:

Institution	Year	Degree	Major

COMPUTER RESOURCES AT YOUR SCHOOL OR WORKPLACE (please circle appropriate answers)

What type of computer do you use at your school?                      MAC                      PC                      BOTH

Where do your students have access to computers?

CLASSROOM                      COMPUTER LAB(S)                      SCHOOL LIBRARY                      HOME

OTHER: \_\_\_\_\_

Do you have ArcView software at your school?                      YES                      NO

What type of Internet connection do you have at your school?

NONE                      MODEM                      T1/T2                      DSL                      CABLE                      OTHER

A. Describe, below, your experience in teaching ocean science:

B. Describe, below, your experience in using GIS:

Statement of Intent

I understand that if I am selected and agree to participate in the Mapping An Ocean Sanctuary Workshop, I will be expected to attend the August 1-4, 2003 workshop. I also agree to incorporate GIS into my teaching during the 2003-2004 school year. If accepted to participate in the workshop, payment of the \$200 workshop fee will be made to CIPE by 10 July 2003. (Payment information will be provided upon acceptance.) If I must cancel, I will send written notification to the address listed on the first page of this application by July 10th.

Signature \_\_\_\_\_

Date \_\_\_\_\_

